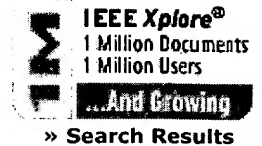


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13	139	360/\$.ccls. and (("ZnO" or (zinc adj oxide)) same ("SiO.sub.2" or (silicon adj dioxide)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/29 15:31

14	2	4800454.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/29 14:52
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20	0	Hoshini-Katsumi.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/29 14:56
21	0	Hoshini-K\$.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/29 14:53
22	139	Hoshiya-H\$.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/29 14:54
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26	77	Hoshino-Katsumi.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/29 14:56
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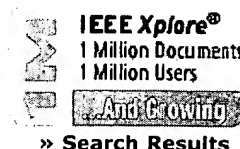
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JNL = Journal or Magazine **CNF** = Conference **STD** = Standard**1 ESD protection of GMR heads in manufacturing***Fu Jin Wu; Xiao Min Wang; Zeng, R.; Hong Tian;*

Electrical Overstress/Electrostatic Discharge Symposium Proceedings, 1999 , 28-30 Sept. 1999

Pages:315 - 318

[\[Abstract\]](#) [\[PDF Full-Text \(224 KB\)\]](#) **IEEE CNF**

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Pages:305 - 308 vol.2[\[Abstract\]](#) [\[PDF Full-Text \(256 KB\)\]](#) **IEE CNF****2 Measuring the energy handling capability of metal oxide varistors***Ahmed, M.M.R.; Putrus, G.A.; Ran, L.; Penlington, R.;*Electricity Distribution, 2001. Part 1: Contributions. CIRED. 16th International Conference and Exhibition on (IEE Conf. Publ No. 482) , Volume: 1 , 18-21 June 2001
Pages:5 pp. vol.1[\[Abstract\]](#) [\[PDF Full-Text \(552 KB\)\]](#) **IEE CNF****3 Ageing study of ZnO-based varistors in transformer oil***Meshkatoddini, M.R.; Loubiere, I.; Bui, A.;*Conduction and Breakdown in Solid Dielectrics, 1995. ICSD'95., Proceedings of the 1995 IEEE 5th International Conference on , 10-13 July 1995
Pages:498 - 502[\[Abstract\]](#) [\[PDF Full-Text \(244 KB\)\]](#) **IEEE CNF****4 A study on the microstructure and surge characteristics of ZnO varistor for distribution arrester***Kim, S.S.; Cho, H.G.; Choi, I.S.; Park, T.G.; Park, C.H.; Jung, S.Y.;*Power System Technology, 2002. Proceedings. PowerCon 2002. International Conference on , Volume: 4 , 13-17 Oct. 2002
Pages:2212 - 2217 vol.4[\[Abstract\]](#) [\[PDF Full-Text \(516 KB\)\]](#) **IEEE CNF**

5 Over-voltage suppression in a fault current limiter by a ZnO varistor

Shirai, Y.; Miyato, Y.; Taguchi, M.; Shiotsu, M.; Hatta, H.; Muroya, S.; Chiba, M.; Nitta, T.;

Applied Superconductivity, IEEE Transactions on , Volume: 13 , Issue: 2 , June 2003

Pages:2064 - 2067

[\[Abstract\]](#) [\[PDF Full-Text \(638 KB\)\]](#) IEEE JNL

6 Analysis of ceramic varistor

Suzuki, M.; Shibata, S.; Itoh, A.; Yoshimura, N.;

Properties and Applications of Dielectric Materials, 1991., Proceedings of the 3rd International Conference on , 8-12 July 1991

Pages:655 - 658 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(216 KB\)\]](#) IEEE CNF

7 The effects of electrical degradation on the microstructure of metal oxide varistor

Mardira, K.P.; Saha, T.K.; Sutton, R.A.;

Transmission and Distribution Conference and Exposition, 2001

IEEE/PES , Volume: 1 , 28 Oct.-2 Nov. 2001

Pages:329 - 334 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(437 KB\)\]](#) IEEE CNF

8 The thermally stimulated current in zinc oxide varistors with TiO₂ additives

Joon-Ung Lee; Kyung-Ook Chang; Choon-Bae Park; Grzybowski, S.;

Properties and Applications of Dielectric Materials, 1991., Proceedings of the 3rd International Conference on , 8-12 July 1991

Pages:502 - 504 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(196 KB\)\]](#) IEEE CNF

9 Ceramic varistor fabricated by surface diffusion

Shen-Li Fu; Kao-You Chao;

Electronic Components and Technology Conference, 1992. Proceedings., 42nd , 18-20 May 1992

Pages:306 - 310

[\[Abstract\]](#) [\[PDF Full-Text \(348 KB\)\]](#) IEEE CNF

10 Effects of multiple current pulses on the microstructure and electrical properties of zinc oxide varistors

Sargent, R.A.; Darveniza, M.; Dunlop, G.L.;

Properties and Applications of Dielectric Materials, 1991., Proceedings of the 3rd International Conference on , 8-12 July 1991

Pages:509 - 512 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(424 KB\)\]](#) IEEE CNF

11 Failure modes and energy absorption capability of ZnO varistors

Bartkowiak, M.; Comber, M.G.; Mahan, G.D.;

Power Delivery, IEEE Transactions on , Volume: 14 , Issue: 1 , Jan. 1999

Pages:152 - 162

[\[Abstract\]](#) [\[PDF Full-Text \(984 KB\)\]](#) IEEE JNL

12 Analysis on the frequency characteristics for conduction mechanism in zinc oxide varistors

Myung Hwan Oh; Myung Sik Kim; Ja Yoon Koo;

Conduction and Breakdown in Solid Dielectrics, 1989., Proceedings of the 3rd International Conference on , 3-6 July 1989

Pages:304 - 308

[\[Abstract\]](#) [\[PDF Full-Text \(176 KB\)\]](#) IEEE CNF

13 The modelling and harmonic content of the resistive component of current in ZnO varistors

van der Linde, F.J.; Swift, D.A.;

High Voltage Engineering, 1999. Eleventh International Symposium on (Conf. Publ. No. 467) , Volume: 2 , 23-27 Aug. 1999

Pages:258 - 261 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(184 KB\)\]](#) IEE CNF

14 ZnO Varistors for Transient Protection

Levinson, L.; Philipp, H.;

Parts, Hybrids, and Packaging, IEEE Transactions on , Volume: 13 , Issue: 4 , Dec 1977

Pages:338 - 343

[\[Abstract\]](#) [\[PDF Full-Text \(912 KB\)\]](#) IEEE JNL

15 Influence of nonuniformity of ZnO varistors on their energy absorption capability

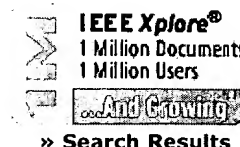
Bartkowiak, M.; Comber, M.G.; Mahan, G.D.;

Power Delivery, IEEE Transactions on , Volume: 16 , Issue: 4 , Oct. 2001

Pages:591 - 598

[\[Abstract\]](#) [\[PDF Full-Text \(152 KB\)\]](#) IEEE JNL

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☐ Check to search within this result set**Results Key:****JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard**1 Integrated printed varistor***Grozdic, T.D.; Aleksic, O.S.; Tomic, M.; Uskokovic, D.;*

Electrotechnical Conference, 1991. Proceedings., 6th Mediterranean , 22-24 May 1991

Pages:118 - 120 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(100 KB\)\]](#) **IEEE CNF****2 Multipulse lightning currents and metal-oxide arresters***Darveniza, M.; Tumma, L.R.; Richter, B.; Roby, D.A.;*

Power Delivery, IEEE Transactions on , Volume: 12 , Issue: 3 , July 1997

Pages:1168 - 1175

[\[Abstract\]](#) [\[PDF Full-Text \(924 KB\)\]](#) **IEEE JNL****3 New densification process of thick films***Gouverneur, S.; Lucat, C.; Menil, F.; Aucouturier, J.-L.;*

Components, Hybrids, and Manufacturing Technology, IEEE Transactions on [see also IEEE Trans. on Components, Packaging, and Manufacturing Technology, Part A, B, C] , Volume: 16 , Issue: 5 , Aug. 1993

Pages:505 - 510

[\[Abstract\]](#) [\[PDF Full-Text \(528 KB\)\]](#) **IEEE JNL****4 Thick film LC and LCV cell arrays***Aleksic, O.S.; Nikolic, P.M.; Lukovic, M.D.; Nikolic, J.Z.; Preradovic, Z.; Pavlovic, J.; Pejovic, V.Z.;*

Microelectronics, 1995. Proceedings., 1995 20th International Conference on , Volume: 1 , 12-14 Sept. 1995

Pages:85 - 88 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(304 KB\)\]](#) **IEEE CNF****5 Hybrid Integrated Surge Protector for Digital Switching System**

Kurosawa, H.; Tomimuro, H.;

Components, Hybrids, and Manufacturing Technology, IEEE Transactions on [see also IEEE Trans. on Components, Packaging, and Manufacturing Technology, Part A, B, C] , Volume: 8 , Issue: 2 , Jun 1985
Pages:259 - 263

[\[Abstract\]](#) [\[PDF Full-Text \(664 KB\)\]](#) IEEE JNL

6 A study on the carrier oscillation characteristics of ZnO varistor fabricated with 3-composition seed grain method

Kyung-Uk Jang; Myung-Ho Kim; In-Hwan Son; Kyung-Hwan Kim; Joon-Ung Lee;
Properties and Applications of Dielectric Materials, 1997., Proceedings of the 5th International Conference on , Volume: 2 , 25-30 May 1997
Pages:666 - 669 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(284 KB\)\]](#) IEEE CNF

7 Lightning distribution through earthing systems

Rakotomalala, A.; Auriol, Ph.; Rousseau, A.;
Electromagnetic Compatibility, 1994. Symposium Record. Compatibility in the Loop. IEEE International Symposium on , 22-26 Aug. 1994
Pages:419 - 423

[\[Abstract\]](#) [\[PDF Full-Text \(324 KB\)\]](#) IEEE CNF

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